EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	29	("4766095" | "5324888" | "5734155" | "5981945" | "6121675").PN. OR ("6627872").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 09:11
L16	100	("2096693" | "2192869" | "3510732" | "3593055" | "3602758" | "3669478" | "3691482" | "3699478" | "3819974" | "3875456" | "3932881" | "4298820" | "4479886" | "4727283" | "4780752" | "5019746" | "5107317" | "5126214" | "5202777" | "5535230" | "5798537" | "5847507" | "5959316" | "5998925" | "6069440").PN. OR ("6812500").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 09:25
L18	45	("3018689" | "3880528" | "4055761" | "4293190" | "4390220" | "4433886" | "4744009" | "4801998" | "4843313" | "4936784" | "4971930" | "4980635" | "4999142" | "5001315" | "5444520" | "5579164" | "5590787" | "5617131" | "5801374" | "5821532" | "5867368" | "5949655" | "6188841" | "6266197").PN. OR ("6455774").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 09:29
L19	1	"20070274636"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L20	188	(((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call$3 or refer$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat$3) near2 (word or concept or term)))) near10 (opto$1electronic or opto electronic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L21	8759	(opto$1electronic or opto electronic).ti,clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24

L22	1059	(opto$1electronic or opto electronic) module	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L23	8	("5040868" or "4695871" or "5153734" or "6627872" or "4168102" or "5920120").pn. or "20030185526"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L24	1	DE-10023353-A$	DERWENT	ADJ	ON	2010/09/01 10:24
L25	1	DE-3331451-C$	DERWENT	ADJ	ON	2010/09/01 10:24
L26	1	JP-03218670-A$	DERWENT	ADJ	ON	2010/09/01 10:24
L27	1	EP-1022787-A$	DERWENT	ADJ	ON	2010/09/01 10:24
L28	1	JP-61214566-A$	DERWENT	ADJ	ON	2010/09/01 10:24
L29	1	JP-10222080-A$	DERWENT	ADJ	ON	2010/09/01 10:24
L30	1238	(Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) same (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) same (press or pressing or pressed or pressure or pression or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) same (separat$4 or split$4 or apart or divid$4 or distan$4) same (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L31	222784	(Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) and (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24

		compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) and (separat$4 or split$4 or apart or divid$4 or distan$4) and (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer)				
L32	44	(Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) with (irradiat$3 or bombard $5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos $3 or illuminat$3 or luminat $3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) with (press or pressing or pressed or pressure or compress$3 or push$3 or squeez$3 or squish $3 or squash$3 or smash$3) with (separat$4 or split$4 or apart or divid$4 or distan$4) with (leadframe or lead frame or substrate or metal frame $4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L33	3949	L31 and (257/98- 99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L34	24	L30 and (257/98- 99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L35	2	L32 and (257/98- 99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L36	1	DE-10129785$18-A$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L37	2	WO-03001253-a$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L38	1	US-5513289-A$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L39	2	jp-05145121-A$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24

L40	1	WO-0024062-a$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L41	2	JP-62196878-A$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L42	1	us-4843280-A$	EPO; JPO; DERWENT	ADJ	ON	2010/09/01 10:24
L43	1	"6746295".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L44	1	"20030211804"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L45	8	"10/007398"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L46	1	"20020057057"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L47	18	("3875456" | "5043716" | "5847507" | "6155699").PN. OR ("6746295").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L48	8	("2002/0057057").URPN.	USPAT	ADJ	ON	2010/09/01 10:24
L49	2	"3875456".pn. or "5847507".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L50	13	EP "0" "230" "336"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L51	1	"6610563".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L52	70	("4727457" | "5040868" | "5331512" | "5545359" | "5614131" | "5686172" | "6052500" | "6103398" | "6440877").PN. OR ("6610563").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L53	5	"09"$1"581"$1"585"	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L54	222784	(Optic$2 or (electro optic$2) or electrooptic$2 or (opto electronic) or optoelectronic) and (irradiat$3 or bombard$5 or blast$3 or launch$3 or strik$3 or (fire or firing) adj upon or radiat$3 or ((expos$3 or illuminat$3 or luminat$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress$3 or push$3 or squeez$3 or squish$3 or squash$3 or smash$3) and (separat$4 or split$4 or apart or divid$4 or distan$4) and (leadframe or lead frame or	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24

		substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer)				
L55	3949	L54 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L56	1987	L55 and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L57	232	L56 and screw	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L58	1	"6130448".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L59	97	("4888634" | "4902108" | "5051802" | "5148306" | "5149958" | "5302818" | "5693967" | "5814870" | "5821615" | "5861654" | "5867368" | "5869855" | "5998862").PN. OR ("6130448").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L60	37051	(deposit$3 or form$3 or coat$3) with (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L61	786	L60 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L62	7776	(deposit$3 or form$3 or coat$3) with (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect$3) with ((radiation near2 area) or device or (led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d" or (emitter or emitting) near light) or sensor or (IC or integrated circuit or micro$1processor or micro$1chip or semi$1conductor die or inner lead or micro$circuit or chip or random access	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24

		memory or RAM or ASIC or Application specific integrated circuit or analog circuit or digital circuit or micro $controller or (pin or ball) grid array or PGA or BGA or FC$1PGA or leadless cheap carrier or LCC or flip chip or flip$1chip or fli$1chips or controlled collapse chip connection or C4 or Direct Chip Attach or DCA))					
L63	365	L62 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L64	1728	L62 and protect$3 near (leadframe or lead frame or substrate or metal frame$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L65	93	L64 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L66	41	L55 and (blumel or simon).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L67	87	L55 and (osram or opto or gmbh).as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L68	2531	L55 and (emit or emitting or emitter or transmit or transmitter or transmitting or receiver or receiving or received or detect or detecting or detected).clm, ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L69	11289	(press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed) near5 lens	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L70	283	L69 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116. ccls. or 385/31-41,92-94. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L71	29	("4766095" | "5324888" | "5734155" | "5981945" | "6121675").PN. OR ("6627872").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 10:24
L72	2107	257/432.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 11:14

L73	269	257/98-100,680,432-433.ccls. and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 11:15
L82	810	257/98-100,680,432-433.ccls. and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed or apart).clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 11:39
L85	302	257/98-100,680,432-433.ccls. and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed or apart).clm. and (((led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d") or (emitter or emitting) near (light or EM wave or electromagnetic or electro magnetic)) near5 (coat$3 or seal$3 or encapsul$5 or encas$5 or packag$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/09/01 11:41

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L79	0	((press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed) and (((cure or cured or curing) or ((cured or curing or cure) near2 (partly or partially))) and (coat$3 or seal$3 or encapsul$5 or encas$5 or packag$3) near5 ((led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d") or (emitter or emitting) near (light or EM wave or electromagnetic or electro magnetic)) and (case or housing) and (carrier or substrate) near4 electrode).clm.	USPAT; UPAD	ADJ	ON	2010/09/01 11:36

| L81 | 15 | ((press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed) and (((cure or cured or curing) or ((cured or curing or cure) near2 (partly or partially))) and (coat$3 or seal$3 or encapsul$5 or encas$5 or packag$3) near5 ((led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d") or (emitter or emitting) near (light or EM wave or electromagnetic or electro magnetic))).clm. | USPAT; UPAD | ADJ | ON | 2010/09/01 11:36 |
| L84 | 21 | ((press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed or apart) and ((cure or cured or curing) or ((cured or curing or cure) near2 (partly or partially))) and (coat$3 or seal$3 or encapsul$5 or encas$5 or packag$3) near5 ((led or leds or l adj e adj d or electroluminescen$4 or electro adj luminescen$4 or "l.e.d") or (emitter or emitting) near (light or EM wave or electromagnetic or electro magnetic))).clm. | USPAT; UPAD | ADJ | ON | 2010/09/01 11:41 |

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